Mountain Weather Forecast

Lake District National Park

Forecast valid from 06:00 on Monday 19 Dec 2022 until 23:59 on Tuesday 20 Dec 2022

Forecast Issued on Monday 19 Dec 2022 at 02:06

Confidence: High becoming Medium in details from Thursday.

Headline for Monday 19 Dec 2022: Severe gales. Heavy rain. Much milder.

Mountain weather hazards on Monday 19 Dec 2022

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** Low Likelihood
Gales High Likelihood	**Severe chill effect** Low Likelihood	**Poor visibility** High Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** Low Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 800m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Heavy Rain	Heavy Rain	Heavy Rain	Heavy Rain	Light rain showers (night)	Light rain showers (night)
Precipitation probability					
60%	60%	70%	50%	40%	40%

Forecast for Monday 19 Dec 2022

Weather: Mostly overcast with outbreaks of rain, heavy at times. Very windy with severe gales over the summits leading to significant buffeting and the chance of being blown over. The cloud lifting and breaking in the evening.

Chance of cloud-free hill tops above 800m: Nil to 20%, becoming 70% during the evening.

Low cloud and visibility: Extensive cloud, base 300 to 600m, lifting and breaking near or above the summits in the evening. Visibility moderate or poor and often very poor at height, becoming good or very good in the evening.

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Mountain Weather Forecast

Forecast for Monday 19 Dec 2022

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	56/65 S	58/69 S	53/66 S	52/66 SW	43/55 SW	39/51 SW	36/46 SW
600	44/57 S	46/60 S	42/57 S	43/59 SW	35/49 SW	33/46 SW	29/41 SW
300	12/40 S	13/44 S	15/45 S	17/44 SW	14/39 SW	13/37 SW	11/34 SW
Valley	12/37 S	13/41 S	15/41 S	19/43 SW	14/35 SW	13/32 SW	11/29 SW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	8/2	8/1	7/0	7/0	3/-5	2/-6	2/-6
600	9/4	9/4	9/3	8/3	5/-2	4/-2	4/-3
300	10/7	10/8	10/7	10/6	7/4	6/3	6/2
Valley	10/8	12/9	12/9	11/7	9/6	8/5	8/5
Freezing Level*	2200m	2300m	2300m	2200m	1300m	1100m	1000m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Navigational difficulties expected at height due to the extensive low cloud.

Forecast for Tuesday 20 Dec 2022

Weather: Bright or clear spells and occasional showers, any showers wintry over the summits.

Maximum wind: Southwest 30mph gusting 45mph with a significant wind chill.

Chance of cloud-free hill tops above 800m: 80%

Low cloud and visibility: Occasional or extensive cloud, mainly above the summits, but lowering onto the summits in and around showers. Visibility very good falling moderate or poor in any showers.

Temperature:
Valleys: Plus 4 to 9 Celsius
At 800m: Plus 1 to 3 Celsius
Freezing level: Around 900m at times.

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Mountain Weather Forecast

Ground Conditions Supplement

Date: Sunday 18 December 2022 Location: Catstye Cam summit at 10:46. Full report: A windy day in the fells with powerful and unpredictable gusts in excess of 60 mph over high and exposed ground. The snowline this morning above Glenridding was at around 400m, however, after yesterday's thaw at low and mid elevations, a lot more ice was present on the paths, as well as around drainage lines. Walking poles and/or microspikes are recommended. Many upland tarns and other water features are frozen over and with fresh and windblown snow on top of the ice, some of them may be difficult to identify. Strong southwesterly winds have scoured many south-facing slopes and redistributed the existing snow, predominantly onto the north and east-facing slope aspects, where, above roughly 700m knee-deep drifts have accumulated as windslab. The strong winds today meant that snow and ice pellets were windborne and making progress into the wind was particularly arduous. Goggles are extremely useful both for comfort and for navigating safely in these conditions. Swirral and Striding Edge are both in full winter condition, however, snow cover is relatively lean and unconsolidated meaning that there is still plenty of snowed-up and exposed rock to negotiate. Full winter clothing (warm and waterproof) including hats and gloves, a map and compass as well as a headtorch are all essential for anyone venturing into the hills. Microspikes and/or walking poles are recommended and for anyone attempting steep and exposed routes such as the Helvellyn edges, an ice axe and crampons should be carried. Temperature: minus 2.3 C, Maximum wind speed 60.2mph, Wind chill: minus 12.3 C, Average wind speed: 31.4 mph

Issued at: 02:06 on Mon 19 Dec 2022

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